

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061072.D
 Acq On : 14 Mar 2019 18:41
 Operator : VA/AP
 Sample : K1901-08
 Misc : 4.80g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6(6.5-7.5)

Quant Time: Mar 15 02:13:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	467479	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	811942	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	520943	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	104455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	231873	59.59	ug/l	0.01
Spiked Amount 50.000			Recovery	=	119.18%	
35) Dibromofluoromethane	6.93	113	356694	59.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.40%	
50) Toluene-d8	10.41	98	623006	41.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	82.34%	
62) 4-Bromofluorobenzene	13.55	95	156985	26.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.48%	

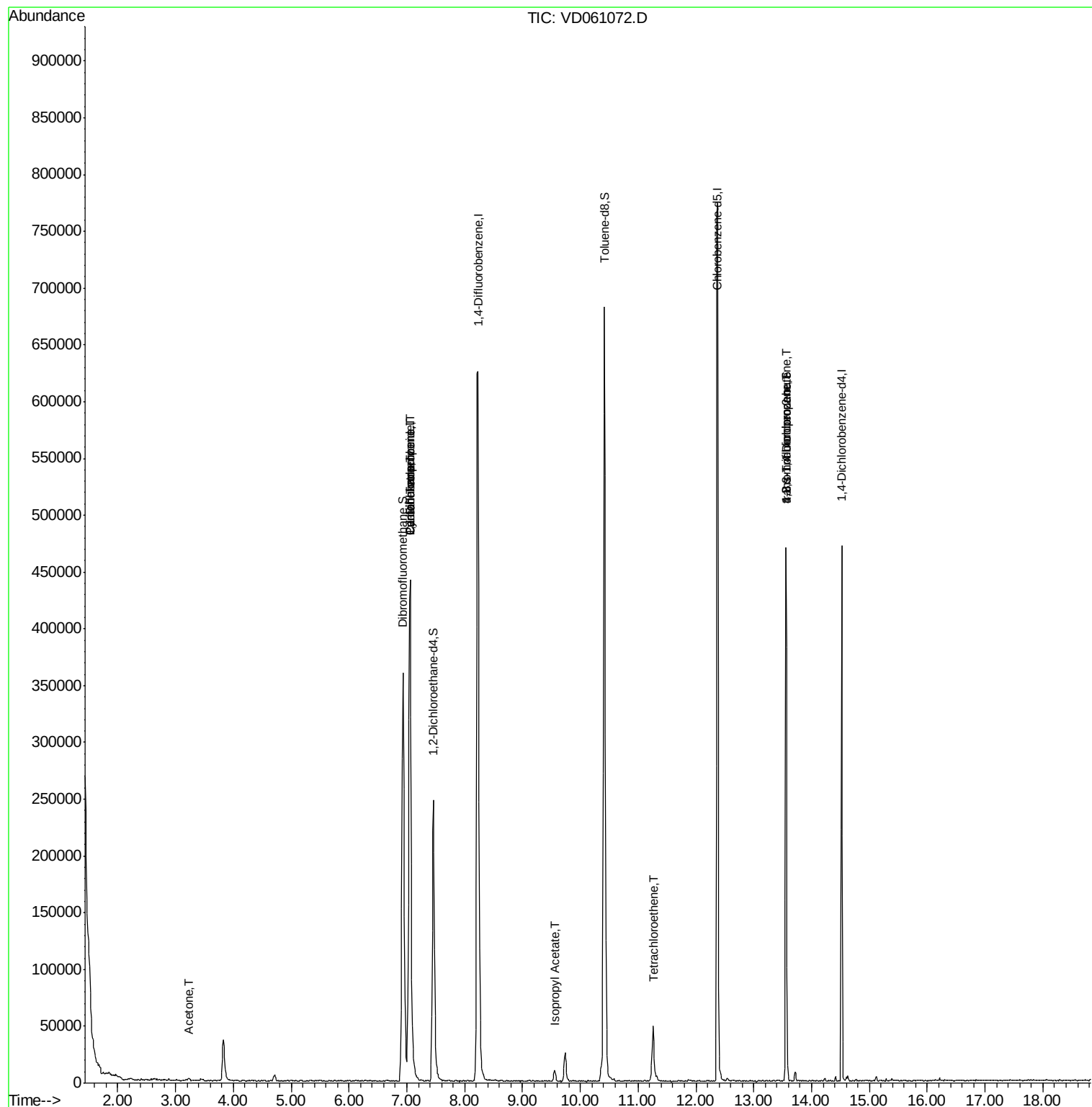
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	200	Below Cal	#	8
16) Acetone	3.24	43	3283	2.950	ug/l #	48
31) Cyclohexane	7.05	56	7875	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	34391	4.914	ug/l #	46
38) Carbon Tetrachloride	7.06	117	43021	5.580	ug/l #	14
43) Isopropyl Acetate	9.56	43	8050	1.770	ug/l #	43
64) Tetrachloroethene	11.26	164	13669	3.887	ug/l	90
76) 1,2,3-Trichloropropane	13.55	75	45318	30.156	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	56393	127.284	ug/l #	17

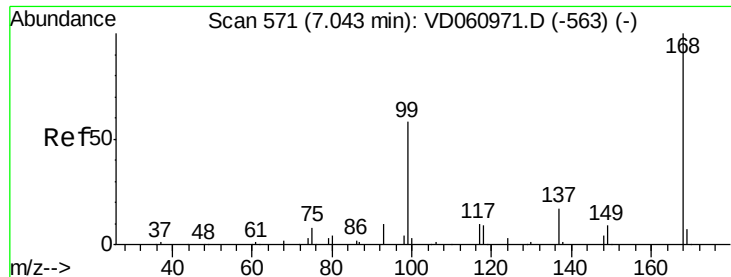
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-6(6.5-7.5)

Quant Time: Mar 15 02:13:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

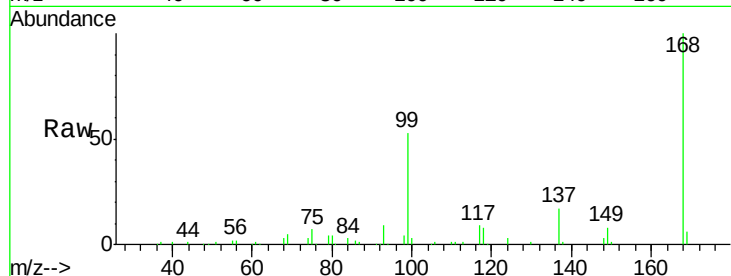
SB-6(6.5-7.5)

Tot Ion:168 Resp: 467479

Ion Ratio Lower Upper

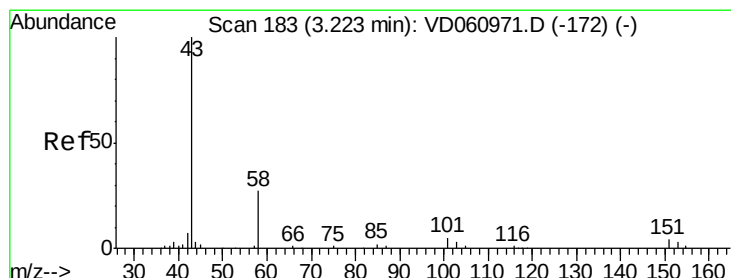
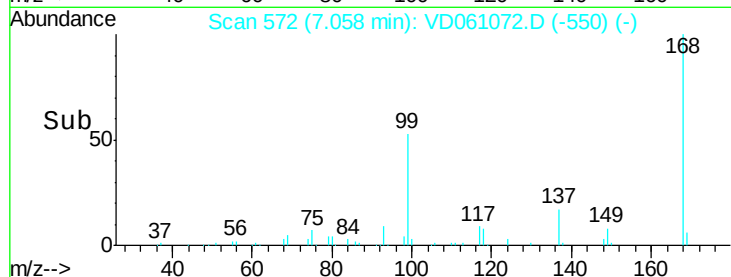
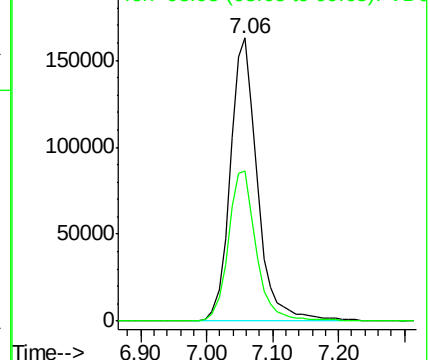
168 100

99 52.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 2.950 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061072.D

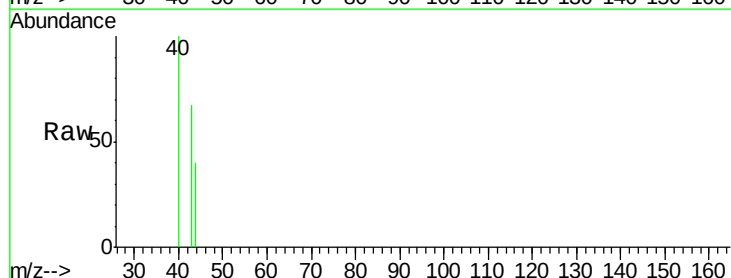
Acq: 14 Mar 2019 18:41

Tgt Ion: 43 Resp: 3283

Ion Ratio Lower Upper

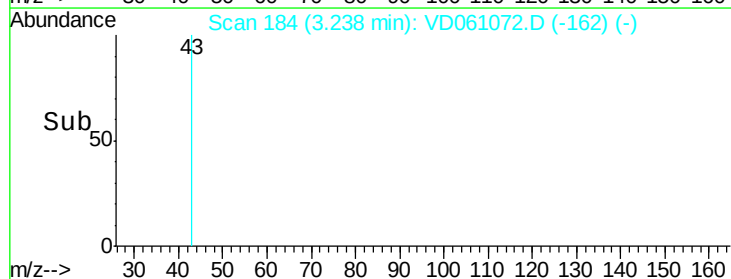
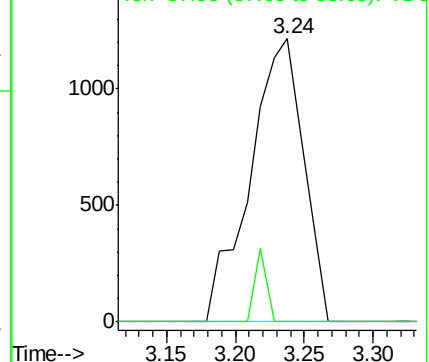
43 100

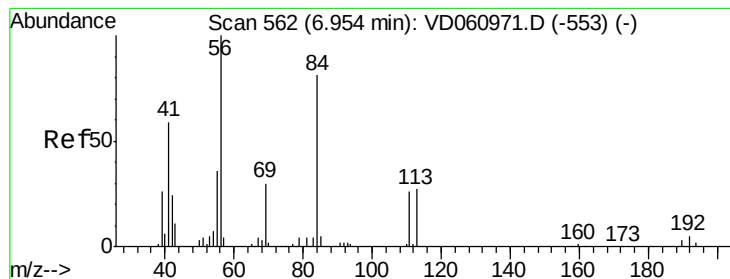
58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

SB-6(6.5-7.5)

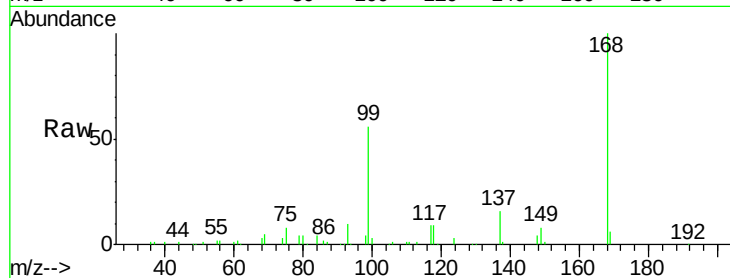
Tot Ion: 56 Resp: 7875

Ion Ratio Lower Upper

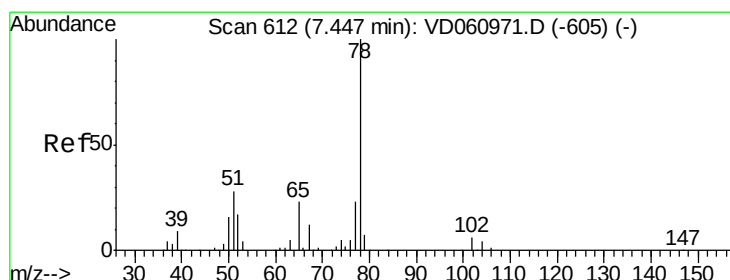
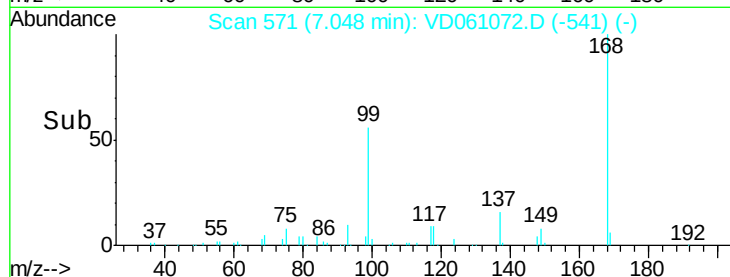
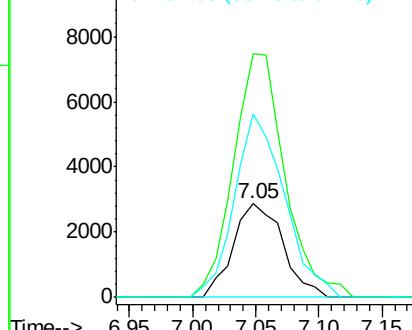
56 100

69 260.6 24.0 36.0#

84 196.6 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061072.D

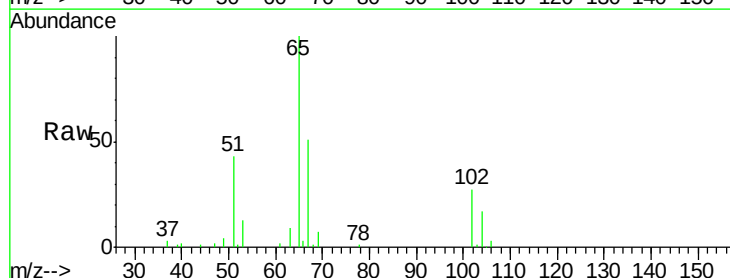
Acq: 14 Mar 2019 18:41

Tgt Ion: 65 Resp: 231873

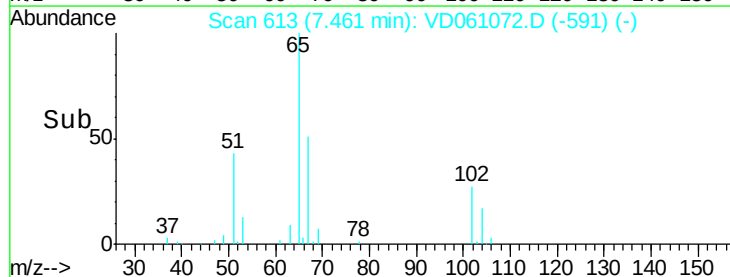
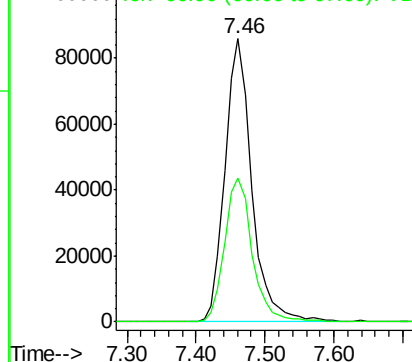
Ion Ratio Lower Upper

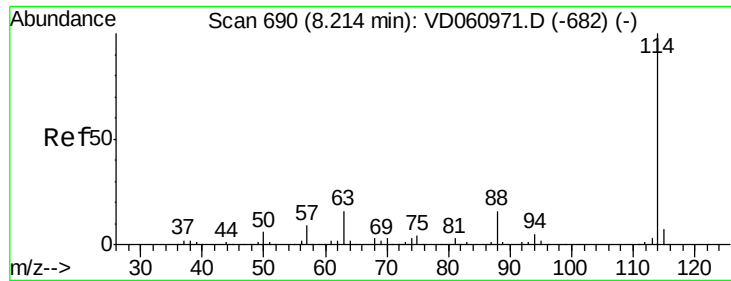
65 100

67 50.6 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

SB-6(6.5-7.5)

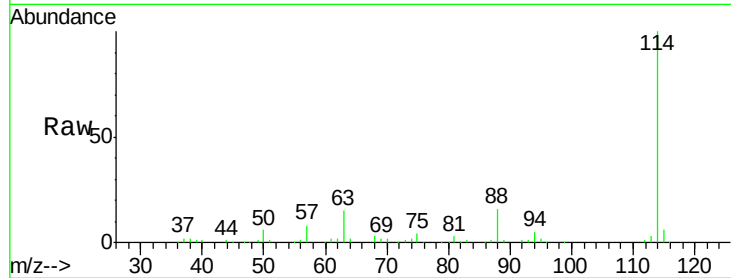
Tot Ion:114 Resp: 811942

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.4

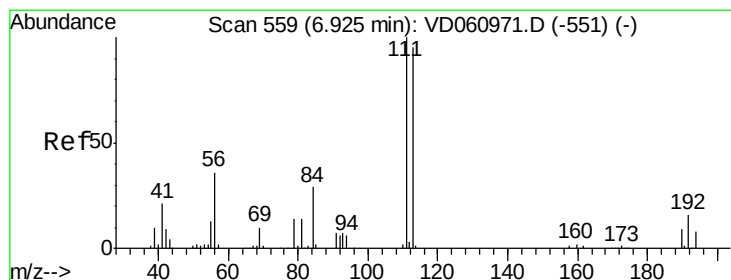
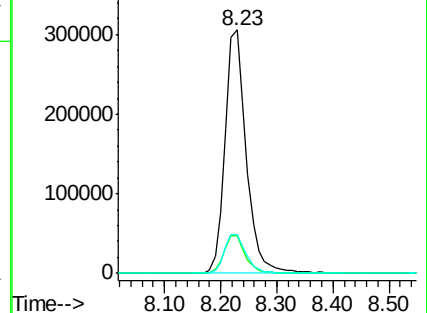
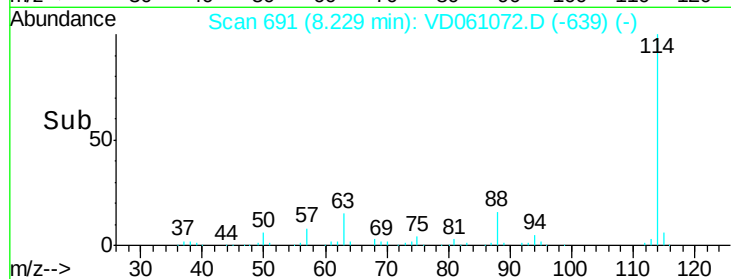
88 15.8 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

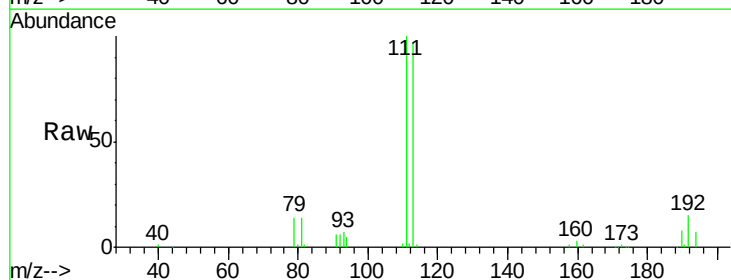
Tgt Ion:113 Resp: 356694

Ion Ratio Lower Upper

113 100

111 102.6 84.2 126.4

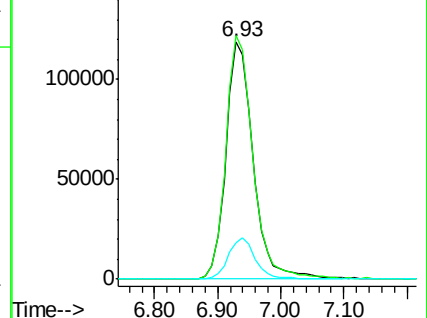
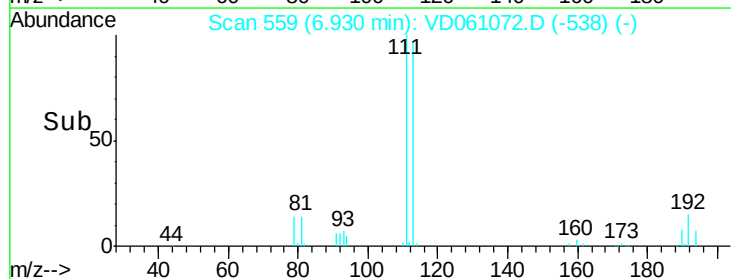
192 15.3 13.1 19.7

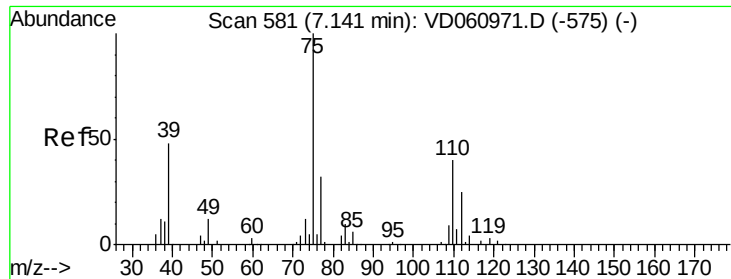


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

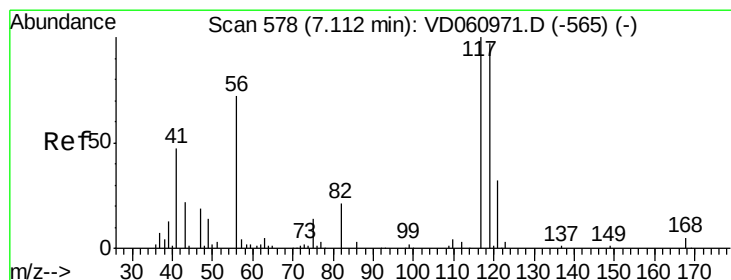
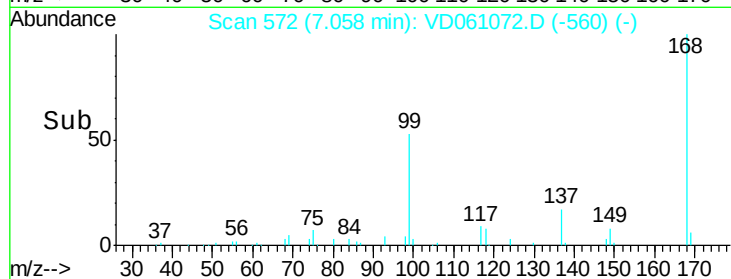
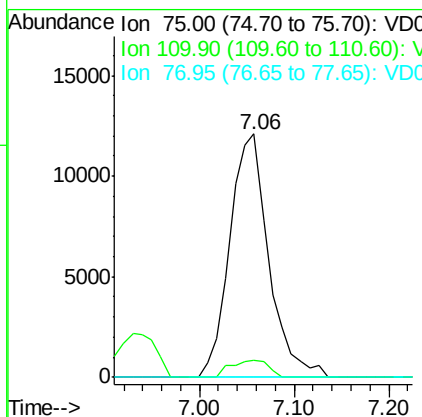
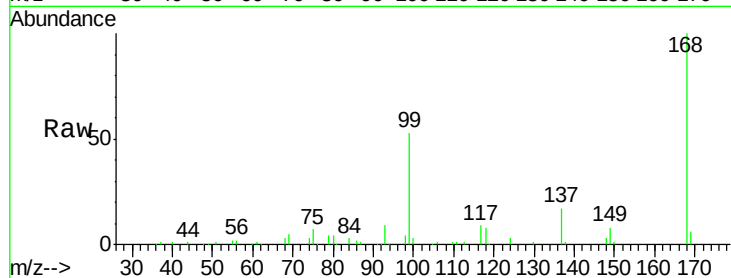




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD061072.D
 Acq: 14 Mar 2019 18:41

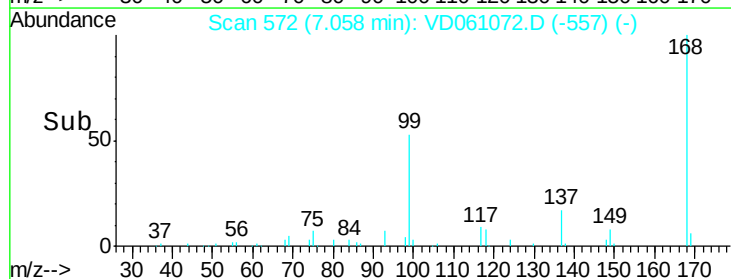
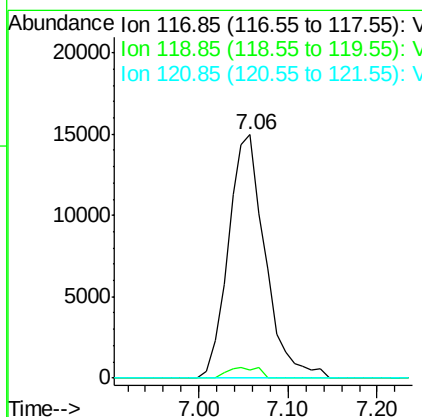
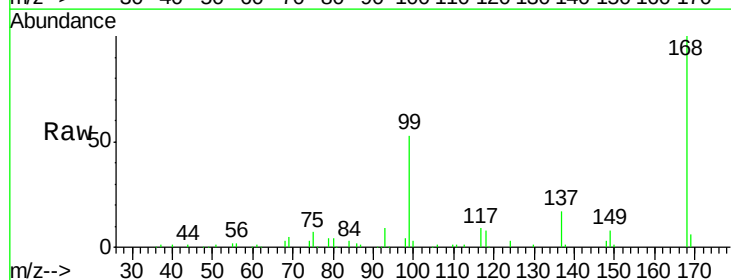
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6(6.5-7.5)

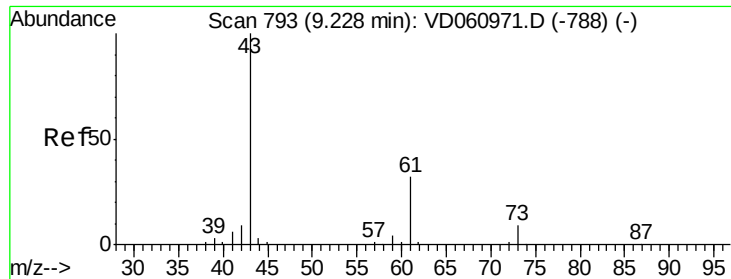
Tot Ion: 75 Resp: 34391
 Ion Ratio Lower Upper
 75 100
 110 7.2 19.7 59.1#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.580 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.05 min
 Lab File: VD061072.D
 Acq: 14 Mar 2019 18:41

Tgt Ion: 117 Resp: 43021
 Ion Ratio Lower Upper
 117 100
 119 3.2 77.8 116.8#
 121 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 1.770 ug/l

RT: 9.56 min Scan# 826

Delta R.T. 0.33 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

SB-6(6.5-7.5)

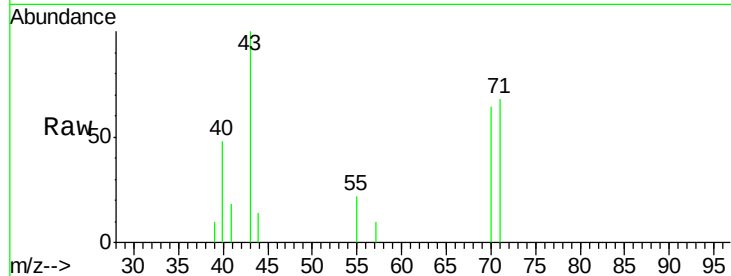
Tot Ion: 43 Resp: 8050

Ion Ratio Lower Upper

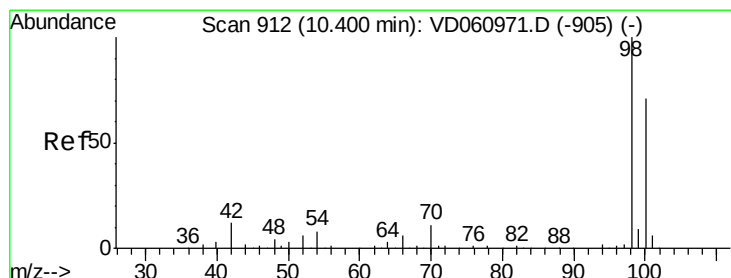
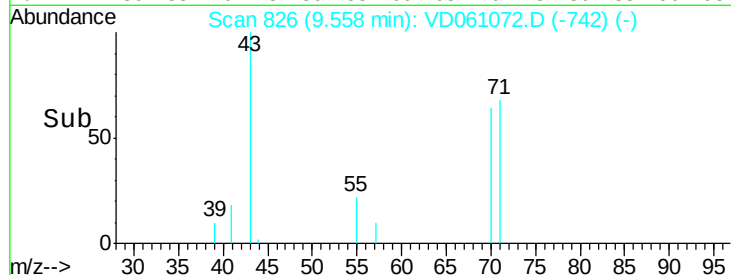
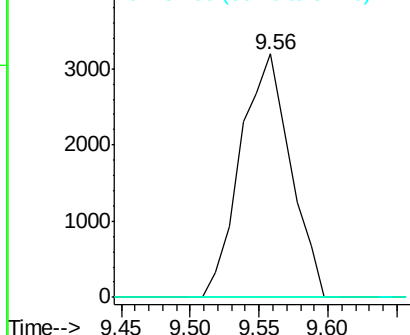
43 100

61 0.0 25.6 38.4#

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061072.D

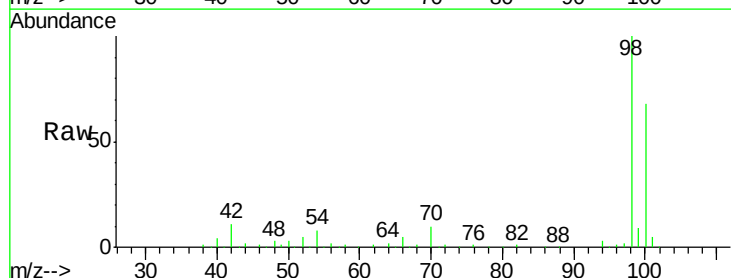
Acq: 14 Mar 2019 18:41

Tgt Ion: 98 Resp: 623006

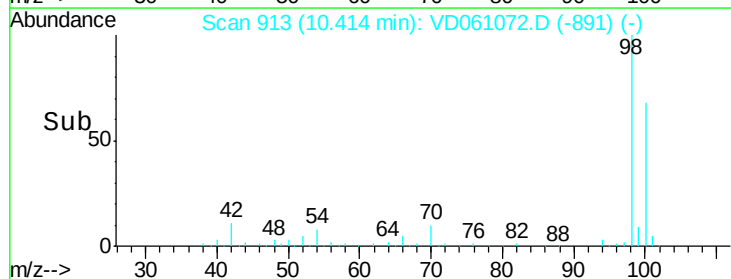
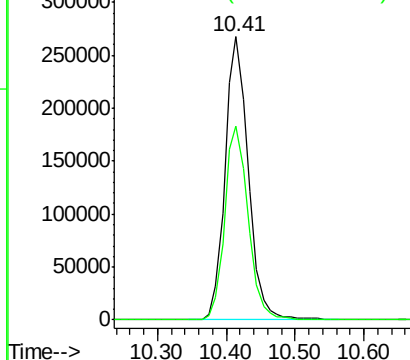
Ion Ratio Lower Upper

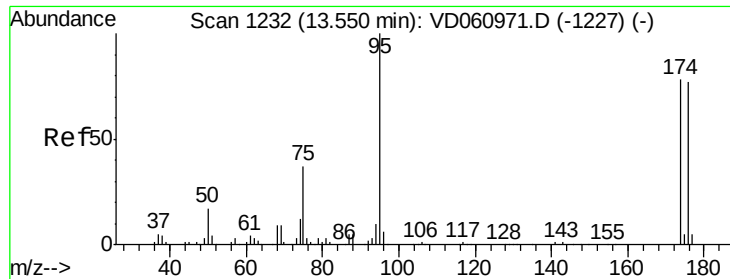
98 100

100 68.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

SB-6(6.5-7.5)

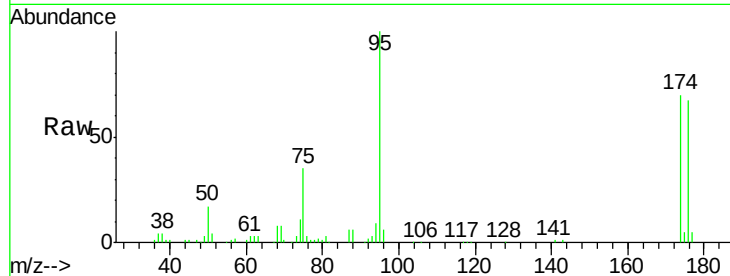
Tot Ion: 95 Resp: 156985

Ion Ratio Lower Upper

95 100

174 70.2 0.0 155.6

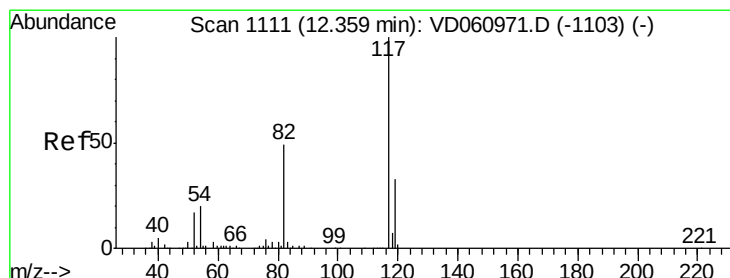
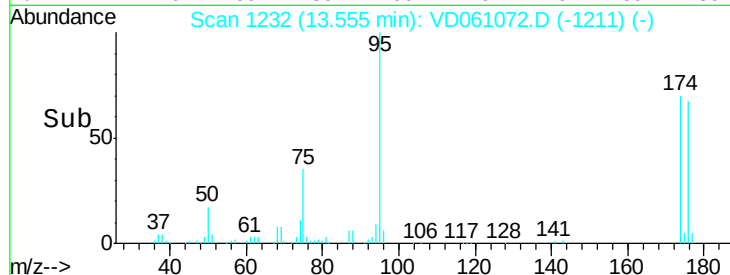
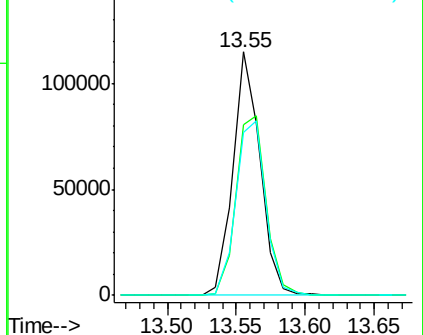
176 66.9 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

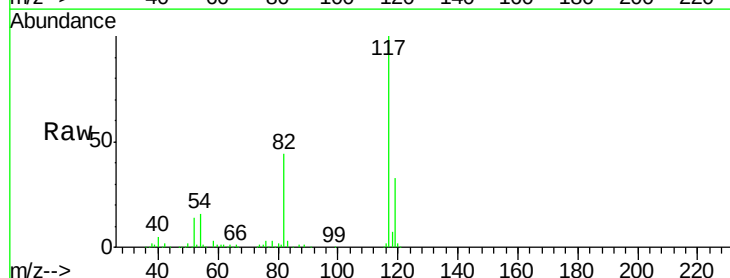
Tgt Ion: 117 Resp: 520943

Ion Ratio Lower Upper

117 100

82 44.0 38.9 58.3

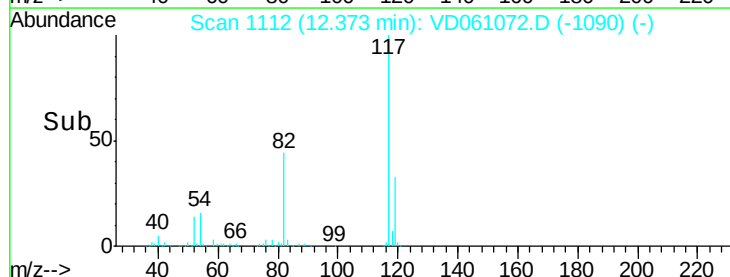
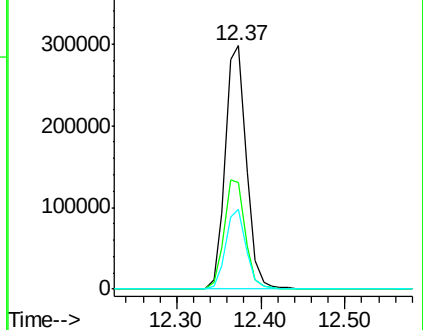
119 32.8 26.6 39.8

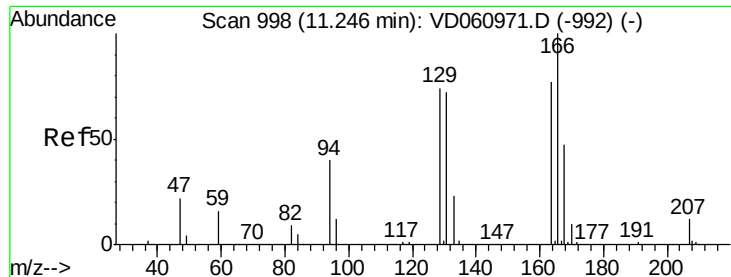


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 3.887 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.01 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

SB-6(6.5-7.5)

Tot Ion:164 Resp: 13669

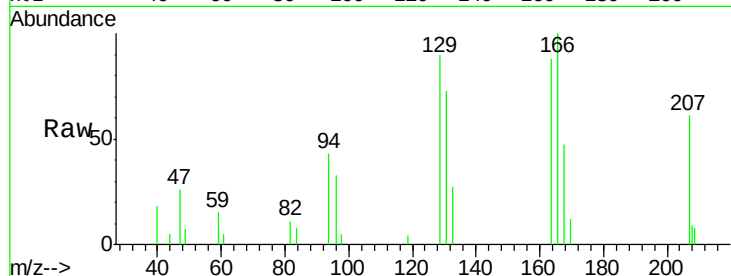
Ion Ratio Lower Upper

164 100

166 113.2 103.4 155.0

129 101.8 76.9 115.3

131 82.9 74.4 111.6

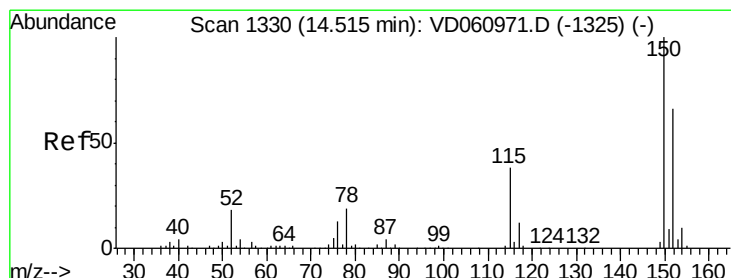
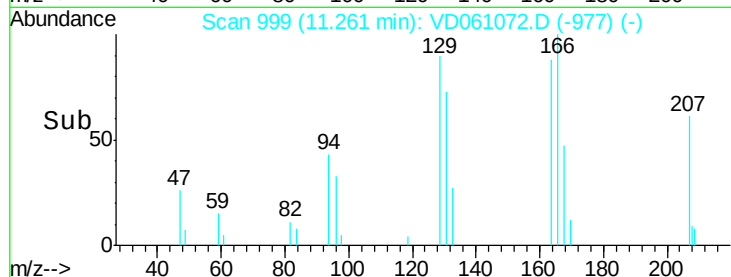
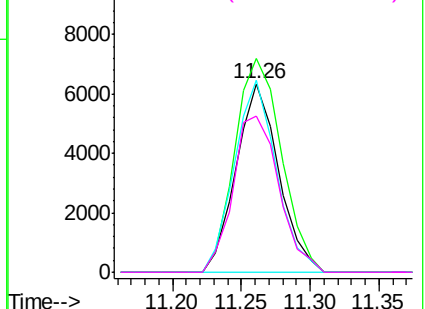


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

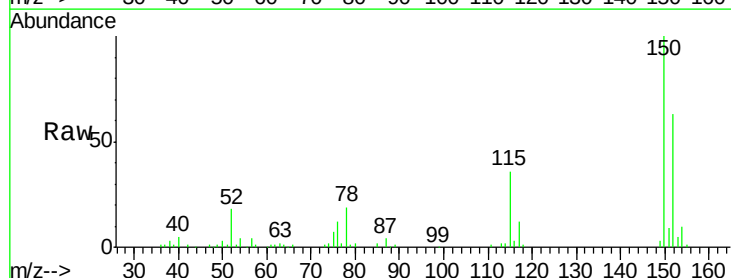
Tgt Ion:152 Resp: 104455

Ion Ratio Lower Upper

152 100

115 57.2 28.6 85.9

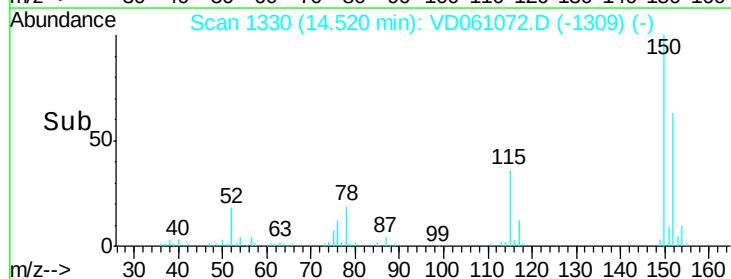
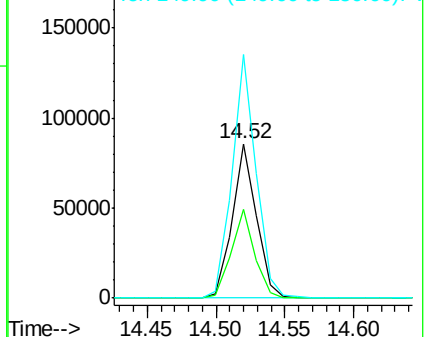
150 158.0 0.0 310.6

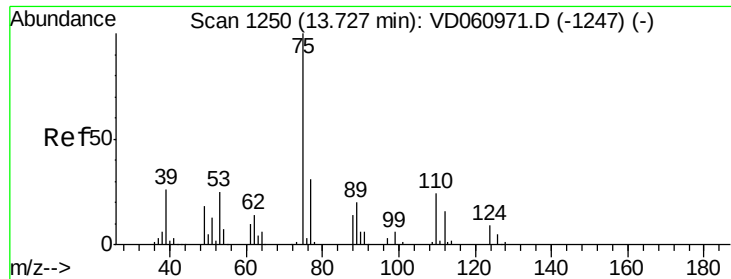


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.156 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

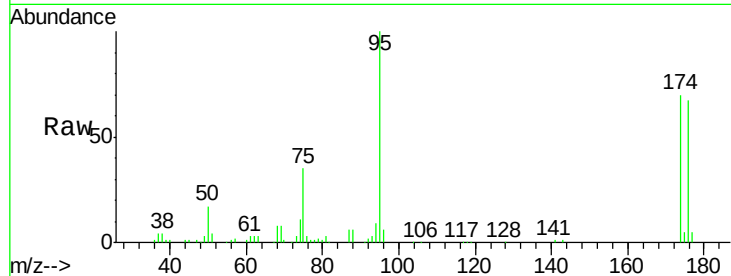
SB-6(6.5-7.5)

Tot Ion: 75 Resp: 45318

Ion Ratio Lower Upper

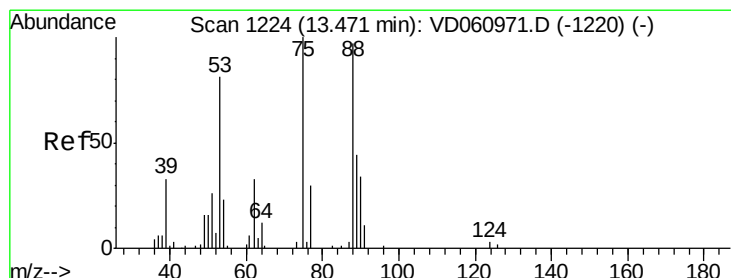
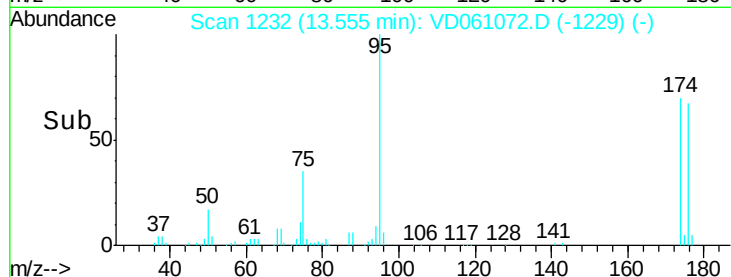
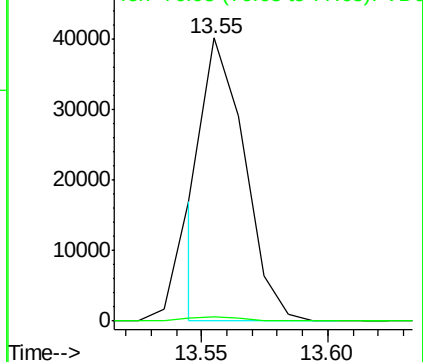
75 100

77 1.6 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 127.284 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061072.D

Acq: 14 Mar 2019 18:41

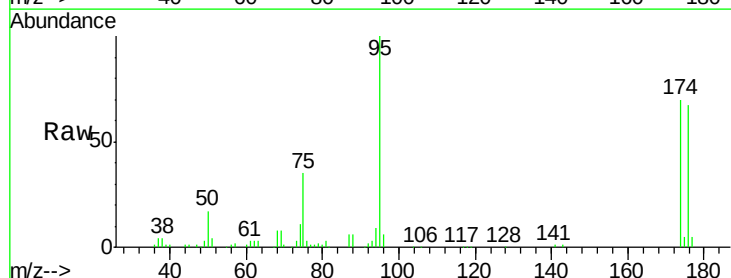
Tgt Ion: 75 Resp: 56393

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

